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# LTL-XL

## Specifications



### Optical specifications

Field of measurement:

- Width: 50 mm / 1.97 inch
- Height: 185 mm / 7.28 inch

Illumination angle to road: 1.24°

Observation angle to road: 2.29°

Illumination angular spread:

Horizontal: 0.33°

Vertical: 0.17°

Observation angular spread: ±0.17°

Equivalent observations distance: 30 m

R<sub>L</sub> range (mcd-m-2 lx-1) 0-2000

Qd range (mcd-m-2 lx-1) 0-318

### Instrument dimensions

Length: 573 mm / 22.56 inch

Width: 222 mm / 8.74 inch

Height: 538 mm / 21.18 inch

Weight: 7 Kg / 15.5 lbs

### Electrical characteristics

EMC: EN50081-1 / EN50082-1

Power supply: NiMH

Data memory: 200,000 measurements

Interface to PC/PDA: USB

### Environmental specification

Temperature:

- Operating 0°C to +45°C / 32°F to 113°F

- Storage\* -15°C to +55°C / 5°F to 131°F

Humidity: non condensing

### Timing

Measurement time: R<sub>L</sub> 1 sec. / R<sub>L</sub> + Qd : 3 sec.

Time between measurement: 1 sec.

### Standards

EN 1436

ASTM E-1710

### Features

- Night and daytime visibility measurement
- Ergonomic and easy-to-use lightweight design that reduces operator fatigue and discomfort by allowing single-handed operation and single touch controls
- Air humidity and temperature measurement
- Single hand operated and user-friendly
- Newest technology with smart and upgradable features
- Safeguarded for the future with seamless connection to any system running, such as PCs and PDAs
- Long lifetime due to solid state technology
- Measures plain texture and profiled markings
- Measures both dry and wet markings
- Measurement statistics
- ID functions (road, operator, line type, colour)
- Multilingual
- Data storage and communication
- RSC software for PC downloads
- Stray light compensated
- Car chargeable (12 V)

### Standard delivery

LTL-XL Retrometer

RSC - software for download and report generation

Calibration standard

Battery charger

Quick guide

Carrying case on wheels

User manual on CD

### Options

GPS precision

Telescopic handle and wheels

Printer